

U.S. Appl. No. 10/523,861
Reply to Office Action dated April 10, 2006

PATENT
450100-05043

IN THE CLAIMS

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This listing of claims will replace all prior versions, and listings, of claims in the application. An identifier indicating the status of each claim is provided.

Listing of Claims

1-9. (Canceled)

10. (Currently Amended) An electronic device, comprising:

a rotary operating unit that is freely rotatable configured to accept rotating operation of a user,

an active element for detecting rotation of said rotary operating unit, and
control means for controlling a power supply to said active element, wherein
the electronic device has three operation modes and
said control means controls the power supply to said active element depending on
said modes.

11. (Previously Presented) An electronic device according to claim 10,
wherein

said active element includes a first and second active elements and
said control means controls the power supply to one of said first and second active
elements in at least one of said three modes.

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12. (Previously Presented) An electronic device according to claim 11,
further comprising:

first and second power-supply control means for switching on and off the power
supplied to each of said first and second active elements, wherein

said control means makes said first and second power-supply control means on in
a normal use mode, and makes said first power-supply control means on and said second power-
supply control means off in a first stand-by mode.

13. (Previously Presented) An electronic device according to claim 12,
wherein

said control means further makes said first and second power-supply control
means off in a second stand-by mode where key operation setting is forbidden.

14. (Previously Presented) An electronic device according to claim 12,
further comprising:

pulse-detecting means for detecting a pulse signal transmitted from the first active
element in response to rotation of said rotary operating unit to generate an interrupt signal,
wherein

said control means makes said second power-supply control means on by the
interrupt signal from said pulse-detecting means when said rotary operating unit is operated to
rotate in said first stand-by mode.

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15. (Previously Presented) An electronic device according to claim 14,
wherein
said control means makes said first power-supply control means or both of the
first and second power-supply control means on, when key operation forbidden setting is
released in said second stand-by mode.

16. (Previously Presented) An electronic device according to claim 11,
further comprising:
power-supply control means for switching on and off the power supply to said
second active element, wherein
said control means makes said power-supply control means on in a normal use
mode and makes said power-supply control means off in a stand-by mode.

17. (Previously Presented) An electronic device according to claim 16,
further comprising:
pulse-detecting means for detecting a pulse signal transmitted from the first active
element in response to rotary operation of said rotary operating unit to generate an interrupt
signal, wherein
said control means makes said power-supply control means on by the interrupt
signal from said pulse-detecting means, when said rotary operating unit is operated to rotate in
said stand-by mode.

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18. (Previously Presented) An electronic device according to claim 12,

wherein

said electronic device has a structure in which a first casing and a second casing are connected to be capable of being opened and closed, and

said control means shifts to the second stand-by mode and makes said first and second power-supply control means off when said casings are closed, and shifts to the normal use mode and makes said first and second power-supply control means on when said casings are opened.

19. (Previously Presented) An electronic device according to claim 11,

further comprising:

a third power-supply control means for switching on and off power supply to a backlight for lighting display means, wherein

said control means makes said first power-supply control means on and makes said second and third power-supply control means off, when shifted from said normal use mode to said first stand-by mode.